

Claims

1. A method for releasing a connection in a communication network (IN), having
 - 5 - a call control layer (CCL) to which a media gateway controller (MGC) is assigned, and
 - a resource control layer (RCL), to which a media gateway (MG) controlled by the controller and implemented as a separate unit is assigned,
- 10 comprising the following steps:
 - sending a control message ($N_{H.248/MGCP}$) from the controller to the gateway to release the connection,
 - releasing the connection in the gateway,
 - notifying the release to at least one network node (S_A ,
15 $MG_{INGRESS}$) along the connection, the notification (M) being effected on the resource control layer.
- 20 2. The method as claimed in claim 1,
wherein the communication network is embodied as a packet-oriented network - in particular as an integrated voice-data network (SDN).
- 25 3. The method as claimed in one of the preceding claims,
wherein the communication network is interconnected with a circuit-switched network (PSTN) via the gateway, at least one of the network nodes is a switching node (S_A) of the circuit-switched network and the notification (M_{TDM}) is effected as a result of the failure of a transmission channel between the gateway and the switching node.
- 30 4. The method as claimed in the preceding claim,
wherein the duration of the failure is dimensioned such that the hardware monitoring of the switching node reports the transmission channel as failed.

5. The method as claimed in one of the preceding claims,
wherein at least one of the network nodes is a second gateway
(MG_{INGRESS}) and the notification (M_{IN}) is effected by the sending
of special messages (N_{IN}) - in particular by the sending of
RTCP packets by means of which the information "Packet Loss =
100 %" is displayed - from the first gateway (MG_{EGRESS}) to the
second gateway.
- 10 6. The method as claimed the preceding claim,
wherein the second gateway, after exceeding a threshold value
of special messages of said kind, notifies in its turn the
release of the connection to at least one further network node
(S_A) which is not identical to the first gateway, said
notification being transmitted in particular by the second
gateway (MG_{INGRESS}) to its assigned controller (MG_A) and by the
latter on the call control layer to the further network node
(S_A).
- 20 7. The method as claimed in one of the preceding claims,
wherein the control message is sent as a result of a recovery
of the controller.
- 25 8. A computer program product (P), comprising sections of
software code by means of which a method as claimed in one of
the preceding method claims is executed by at least one
processor.
- 30 9. A device - in particular a controller (MGC) or gateway (MG)
- comprising means for performing a method as claimed in one
of the preceding method claims.
10. An arrangement - in particular a packet-oriented network
(IN), integrated voice-data network (SDN) or hybrid network

(IN, PSTN) - comprising computer program products and/or devices for performing a method as claimed in one of the preceding method claims.